SIEMENS

HiFi-System 333
Verstärker RV 333
Power amplifier RV 333

– Kundendienstschrift –

– Service manual –

Allgemeine technische Angaben

Netzteil

Spannungsversorgung: 220V; 50...60Hz

Leistungsaufnahme: 380W

Sicherung: 2,5A; 250V; träge

315mA; 250V; träge

Verstärker

Ausgangsleistung (K3 = 1%): 2 × 70W Sinus

Leistungsbandbreite (K3 = 1%): 30-40000Hz

Übertragungsbereich (+ 1,5db): 20-20000Hz

Übersprechdämpfung (1kHz): >55db

Anschlüsse

Buchse	Eingang/ Ausgang/ Ø	Impedanz	Pegel
Tuner	E/DIN	470kΩ	300mV
TB 1/2	E/DIN	470kΩ	300mV
TB 1/2	A/DIN		1mV/k
Monitor	E/DIN	470kΩ	300mV
Monitor	A/DIN		1mV/kΩ
Phono magn.	E/DIN	47kΩ	3mV
Phono dyn.	E/DIN	0,1kΩ	0,2mV
Lautsprecher	A	4Ω	
Kopfhörer	A/6,3	8Ω	450mV

General technical data

Power supply

Main voltage: 220V; 50...60Hz

Power consumption: 380W

Fuse: 2.5A; 250V; slow-blowing

315mA; 250V; slow-blowing

Amplifier

Output power (K3 = 1%): 2 × 70W sin

Power bandwidth (K3 = 1%): 30-40000Hz

Transmission range (+ 1,5db): 20-20000Hz

Cross-talk-attenuation (1kHz): >55db

Connections

Socket	Input/ Output/ Ø	Impedance	Level
Tuner	I/DIN	470kΩ	300mV
Tape 1/2	I/DIN	470kΩ	300mV
Tape 1/2	O/DIN		1mV/kΩ
Monitor	I/DIN	470kΩ	300mV
Monitor	O/DIN		1mV/kΩ
Phono magn.	I/DIN	47kΩ	3mV
Phono dyn.	I/DIN	0.1kΩ	0.2mV
Speaker	O	4Ω	
Headspeaker	O/6.3	8Ω	450mV

Ausgabe 222

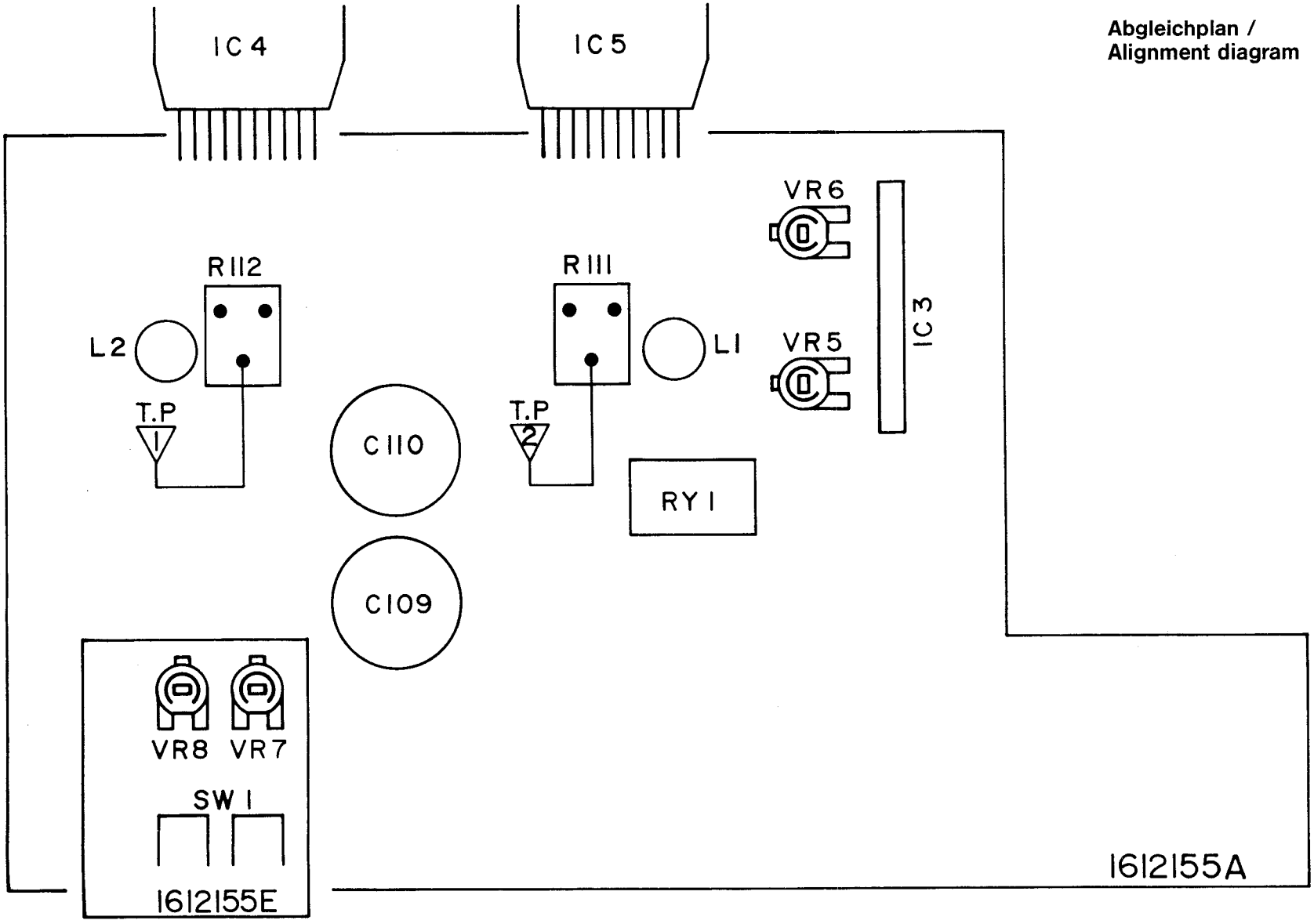
Ident-Nr. 510303

Abgleich/Alignment

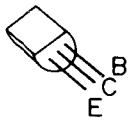
Gerät erst nach einer Betriebszeit von 5 Minuten einstellen. /
Adjust set after working of 5 mitutes

Funktion / Function	Vorbereitung / Preparation	Einstellelement / Adjusting element	Meßwert / Indicated value
0-Spannung /	Kein Eingangssignal / No inputsignal		
Off-set voltage	Voltmeter (10M) an TP1 und Masse anschließen./ Connect voltmeter (10M) to TP1 and ground.	VR6	0 ± 5mV
	Voltmeter an TP1 und Masse anschließen / Connect voltmeter to TP2 and ground	VR5	0 ± 5mV
Ausgangsleistung-LED-Meter /	Lautsprecherschalter in Stellung »A« bringen. / Set speaker switch to »A«.		
Output power LED-meter	Voltmeter (10M) und 4Ω-Widerstände (60W) an A-Lautsprecherbuchsen anschließen. / Connect voltmeter (10M) and 4Ω-resistors (60 W) to A-speakersockets. Generator an Phonobuchse 3/2 und 5/2 anschließen. / Connect generator to phonesocket 3/2 and 5/2.		
	Generator auf 1kHz, 15,5Veff am Voltmeter (A) einstellen. / Set generator to 1kHz, 15.5Veff on voltmeter (A).	VR7; VR8	Die 60W-LED s sollen zu leuchten beginnen. /The 60W-LED s ought lighting.

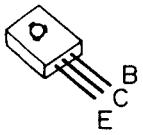
Abgleichplan /
Alignment diagram



Transistor

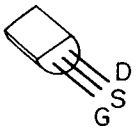


Q3,4,5,6,7,8,9,10,11
12,13,14,15,16,17,18
19,20,21



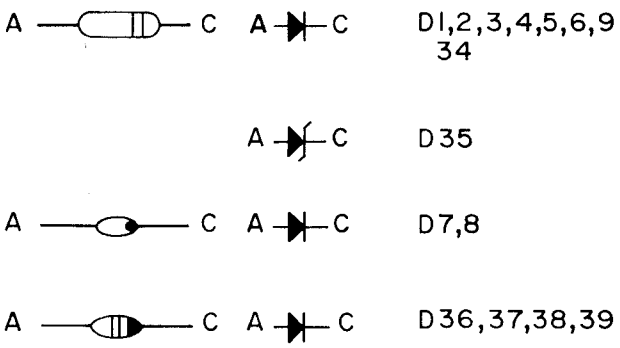
Q22

FET

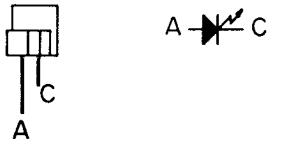


Q1,2

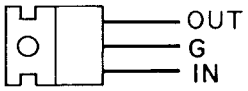
Diode



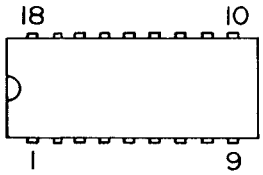
LED



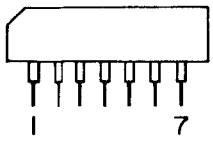
IC



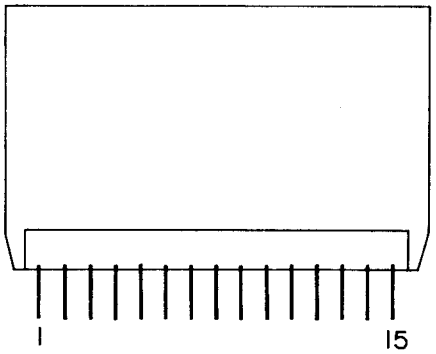
IC 9



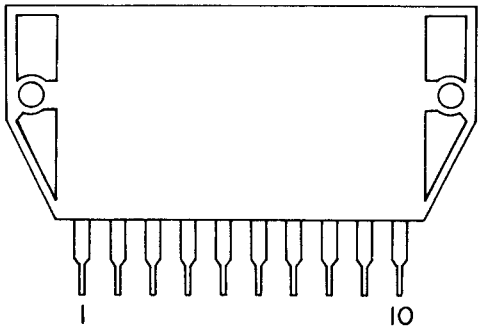
IC 6,7



IC 1,2

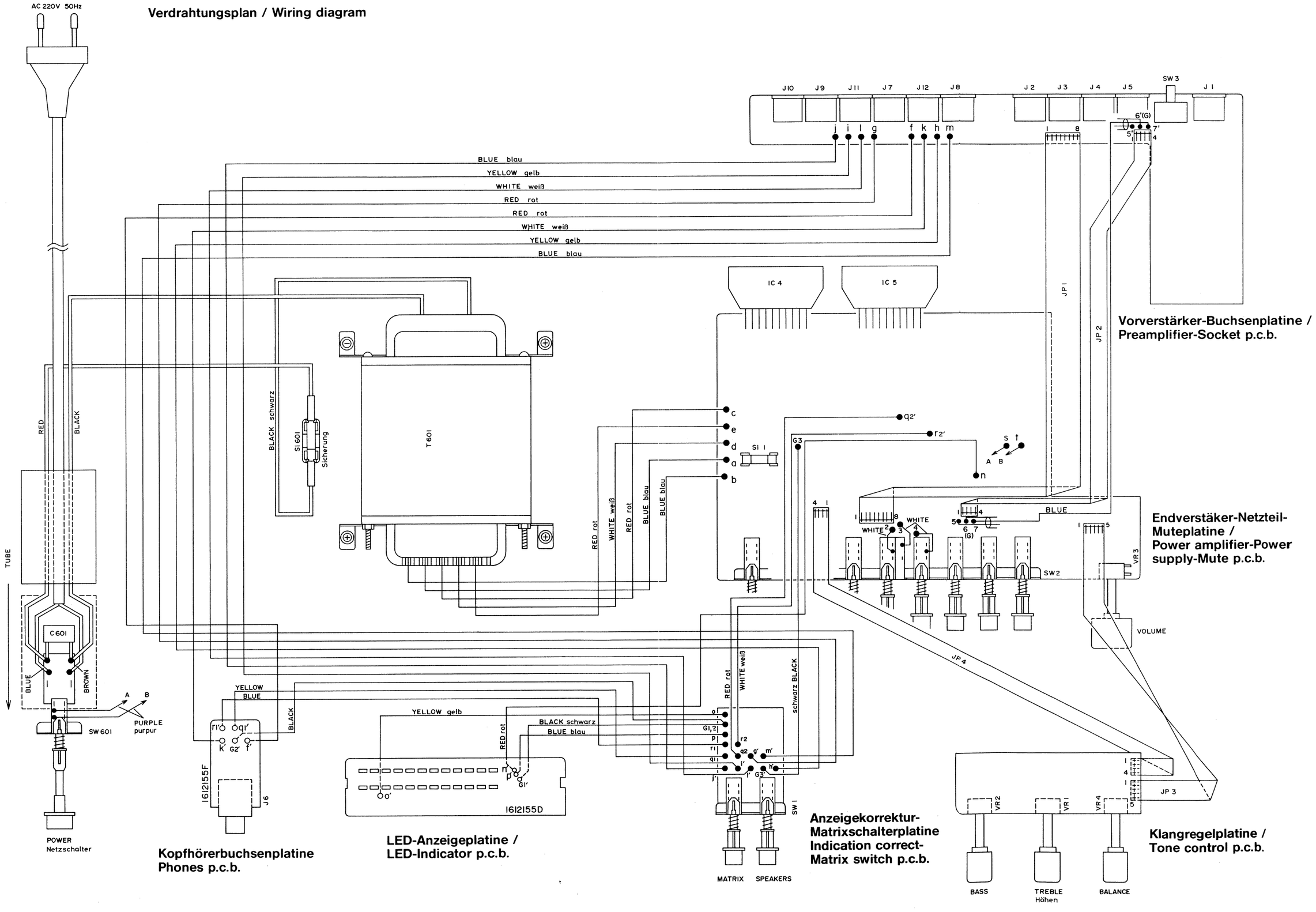


IC 3



IC 4,5

Verdrahtungsplan / Wiring diagram



Vorverstärker / Buchsen

Tonecontrol

Power amplifier / Power supply / Mute

LED-Indicator

Die Endstufe schaltet bei Überlastung intervallmäßig ein/aus
Die Schutzschaltung besteht aus den Stufen mit den Transistoren Q16; Q15; Q17; Q18; Q19; Q20 und Q21.

⚠ Security component (must be replaced by original part)
Fuse Resistor

Phonobuchse - Schaltplan

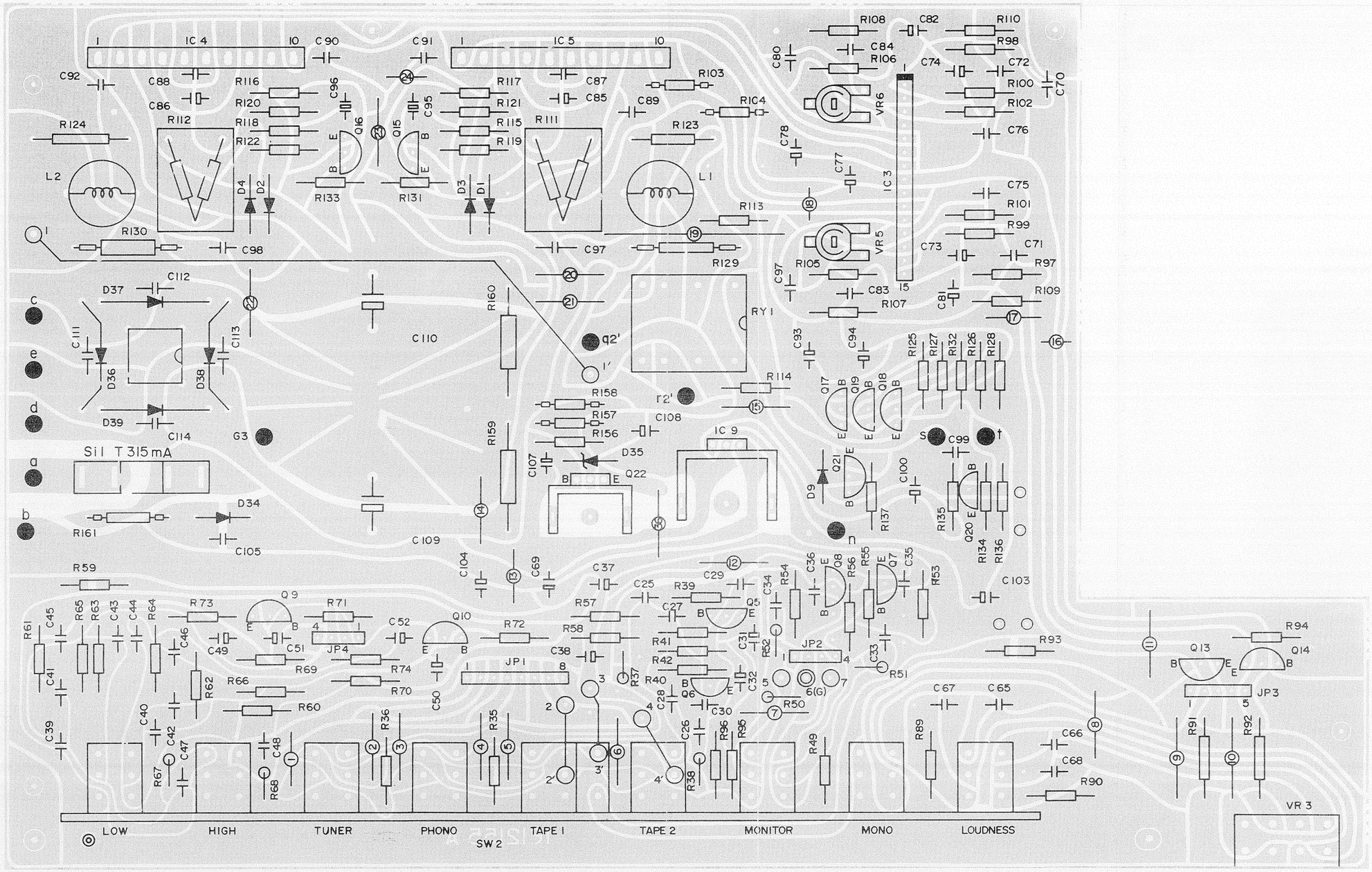
Stabilisierungs - schaltung

Indication - correct / Matrix switch

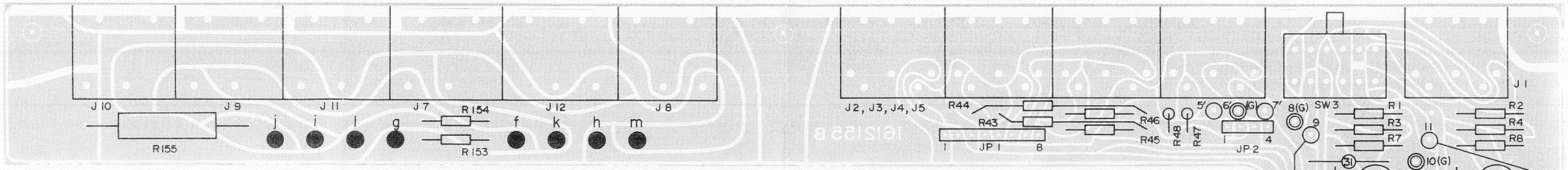
Indication correct Matrix switch

Vorverstärker / Buchsen

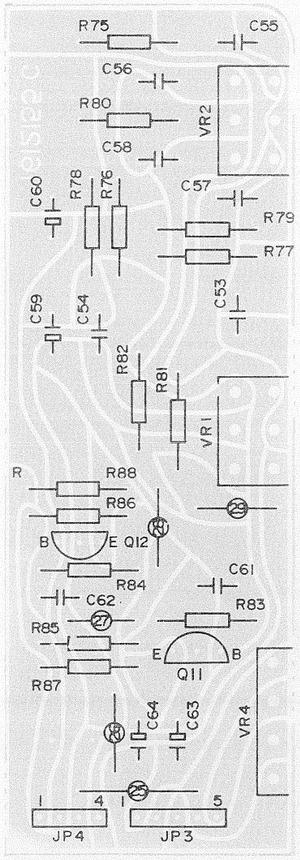
Endverstärker-Netzteil-Muteplatine
Power amplifier-Power supply-Mute p.c.b.



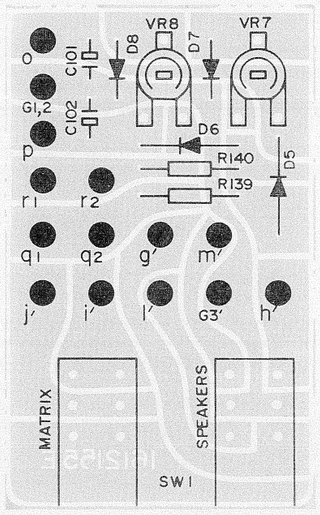
Vorverstärker-Buchsenplatine /
Preamplifier-Socket p.c.b.



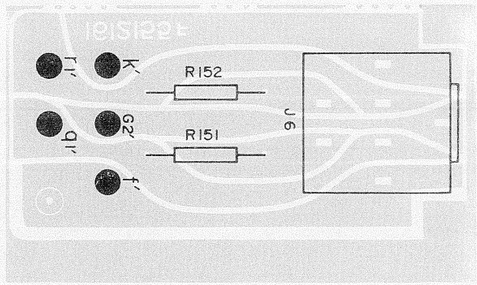
Klangregelplatine /
Tone control p.c.b.



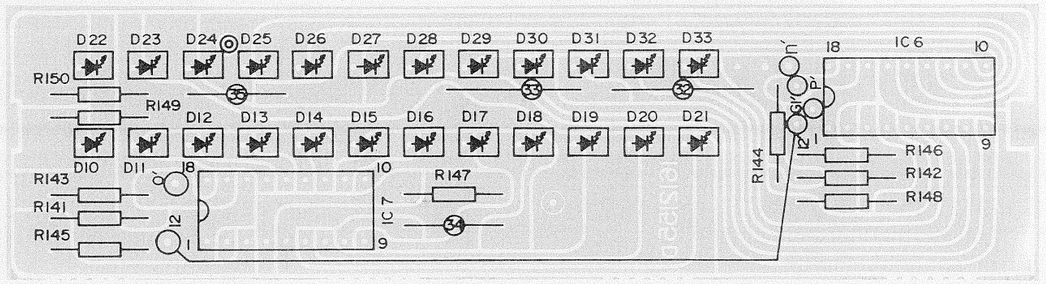
Anzeigekorrektur-Matrixschalterplatine /
Indication correct-Matrix switch p.c.b.



Kopfhörerbuchsenplatine /
Phones p.c.b.



LED-Anzeigeplatine /
LED-Indicator p.c.b.



SIEMENS-ELECTROGERÄTE GMBH
Kundendienst-Zentrale

2822/G61990/5500